

OUTDOOR



Light and motion sensor Operating instructions

Description

Purpose and application

The OUTDOOR sensor detects the presence of persons and measures the intensity of ambient light.

It is ideally suited for indoor and outdoor light applications that require a high level of protection against outdoor weather conditions (wetness, dirt).

The sensor is designed for wall and ceiling installation.

Function

The sensor works fully automatically and is used for contact-free switching. The values detected by the sensor (motion, light value) control the switching behaviour on the basis of the settings created by the user.

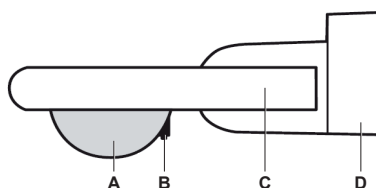
The following settings can be made:

- Delay (if no motion is detected)
- Light switching threshold
- Operating mode

Design

The sensor is made up of the following components:

- Light and motion sensor with an integrated LED (A)
- Buttons S1 and S2 (B)
- Swivel arm (C)
- Connection box (D)



Operation

Initial startup

During initial startup, the initialisation for the functional check and sensor calibration is started:

- The luminaires are switched on for approx. 2 s.
- The red LED inside the lens flashes until the sensor automatically switches to test mode after max. 45 s; see „Executing the test mode“.
- After the test mode is ended, the sensor switches to normal mode; see „Operating modes“.

Operating modes

Normal operation

After initial startup or a reset, the sensor goes into normal mode for light- and motion-dependent switching, with the following default settings:

- Light switching threshold: 7 lux
- Delay: 2 minutes

The default settings can then be changed individually.

Reset:

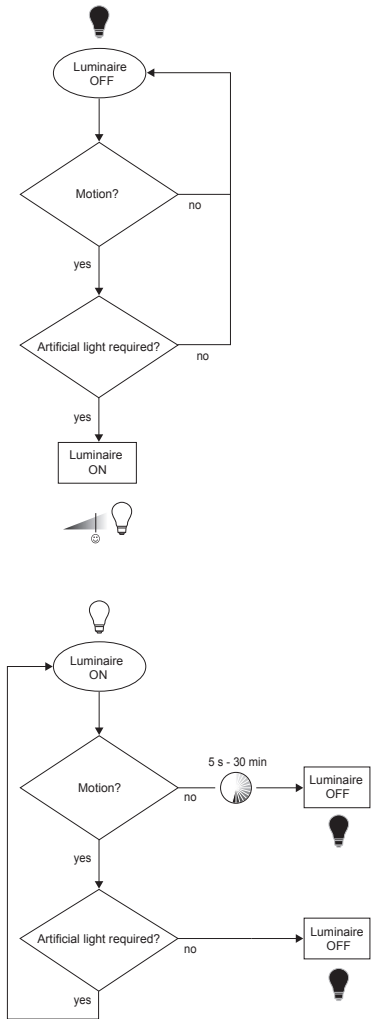
- ① Press buttons S1 and S2 simultaneously for at least 6 s.
- ② Confirmation: The LED flashes 2x.

Pulse mode

The pulse mode is available with a fixed delay for controlling external time switches; see „Activating/deactivating pulse mode“.



Control principle (normal mode)



Setting the light switching threshold

Setting of the light switching threshold at which the load is switched on or off as a function of the measured light value (default setting: 7 lux).

If the light switching threshold is deactivated, the connected load is switched on whenever motion is detected, independent of the measured light value.

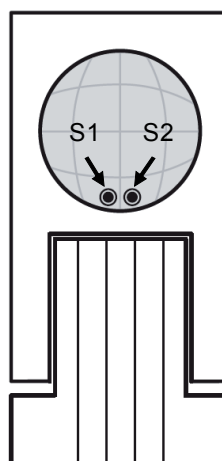
Changing the light switching threshold

- ① Press button S1 briefly. The current light value measurement is stored as the light switching threshold.
- ② Confirmation: The LED flashes 1x.

Deactivating/activating the light switching threshold

- ① Press button S1 for at least 2 s.
- ② Confirmation: The LED flashes 2x.

When the light switching threshold is deactivated, the LED flashes briefly every 5 s.



Setting the delay

The switch-off delay time in normal mode when no motion is detected (default setting: 2 min).

- ① Press button S2 briefly. The LED begins flashing.
- ② Press button S2 again briefly after a delay of T (5 s – 30 min). The LED goes out. T is stored as the delay time.

Operation (cont.)

Activating/deactivating the pulse mode

The pulse mode enables the control of external time switches (such as stairwell time switches): When the light value drops below the light switching threshold and motion is detected, the luminaires are switched on for 1 s and motion detection is deactivated for 9 s.

- ① Press button S2 for at least 2 s.
- ② Confirmation: The LED flashes 2x.

Executing the test mode (checking motion detection)

In the test mode, the parameters are optimised for a rapid check of the motion detection: When motion is detected, the luminaires are switched on for 1 s and then switched off for 2 s. The light switching threshold is deactivated.

Note: During initial startup, the test mode is automatically started after initialisation.

- ① To start the test mode: Simultaneously press buttons S1 and S2 for 3 – 5 s (until the LED lights up continuously).
- ② Confirmation: The LED flashes 2x.
- ③ Check the motion detection and adjust the detection area if necessary; see the fitting instructions.
- ④ The test mode is ended automatically after 10 min. To end the test mode earlier: Press button S1 or S2 briefly.

Switching luminaires manually

Precondition: Normal mode; the pushbutton/switch is connected (see the connection diagram in the fitting instructions)

To switch on:

- For the duration of delay T:
 - ① Press the pushbutton/switch briefly.
 - ② Confirmation: The LED lights up continuously.
- For 4 hours: Press the pushbutton/switch 2x briefly.

To switch off: Press the pushbutton/switch briefly.

Manual initialisation

The initialisation is used for the functional check and sensor calibration.

Precondition: Normal mode; the pushbutton/switch is connected (see the connection diagram in the fitting instructions)

- ① Press the pushbutton/switch for at least 2 s.
- ② Confirmation: The luminaires are switched on for 2 s and the LED flashes for max. 45 s.

Note: The initialisation is performed automatically during initial startup or after every power failure of at least 3 s.

Troubleshooting

If you cannot remedy the fault, please contact the customer service department of the manufacturer.

The device is not functional

Is there power and is the device connected correctly? See „Connection diagram“ in the fitting instructions.

The device is functional, but the switching functions are not being carried out.

Is the initialisation process finished? See „Performing an initialisation“.

Is the light switching threshold set correctly? See „Setting the light switching threshold“.

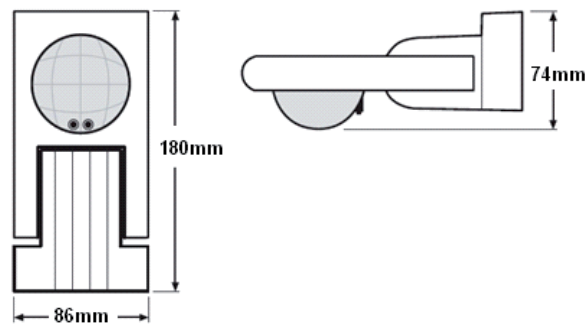
Is the detection area set correctly? See „Setting the detection area“ in the fitting instructions.

Is the correct operating mode (normal mode/pulse mode) set? See „Normal mode and reset“ and „Activating/deactivating the pulse mode“.

Technical data

Operating voltage	230 V AC/50-60 Hz
Switch output load capacity	Incandescent lamp: 2300 W HV halogen lamps: 1500 W Fluorescent lamps: 1000 VA Inductive load: 600 VA
Max. number of ECGs:	
5x	QT-FQ 2x80 or QTP5 1x80 or QTP5 2x54
7x	QTP5 2x14-35 or QTP5 1x54
9x	QTP5 1x14-35
5x	QTP8 2x58
9x	QTP8 1x58
5x	QT-FIT8 2x58 or QT-FIT8 2x36
9x	QT-FIT8 1x58 or QT-FIT8 1x36
5x	QTi 2x35/49/80
10x	QTi 2x28/54
14x	QTi 1x28/54
Operating temperature	-30 °C ... +70 °C
Protection type	IP 55

Dimensioned drawing



The Low Voltage Directive has been complied with according to EN 60669-2-1.



Conformity with the relevant EU directives is confirmed by the CE symbol.